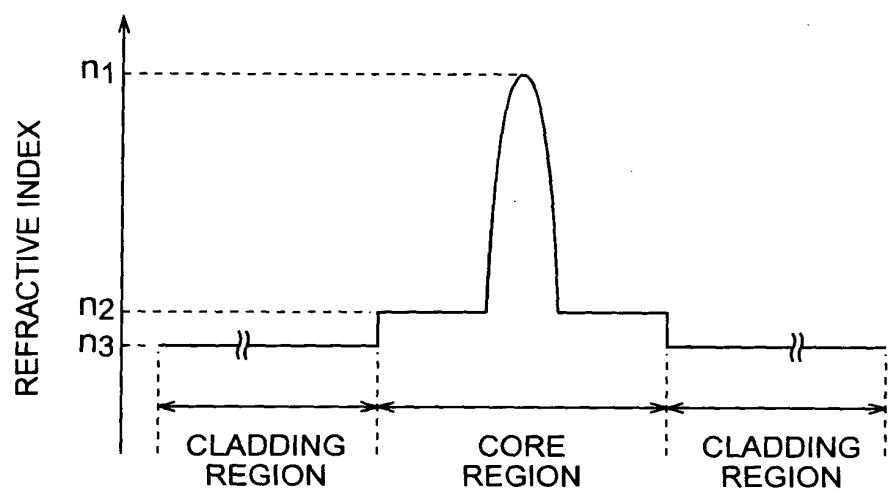
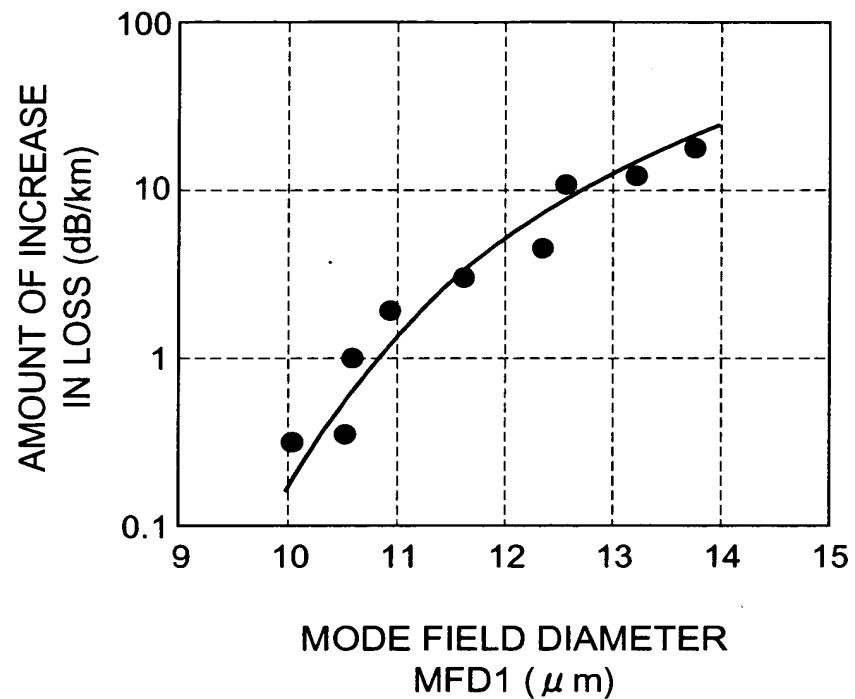


Fig. 1



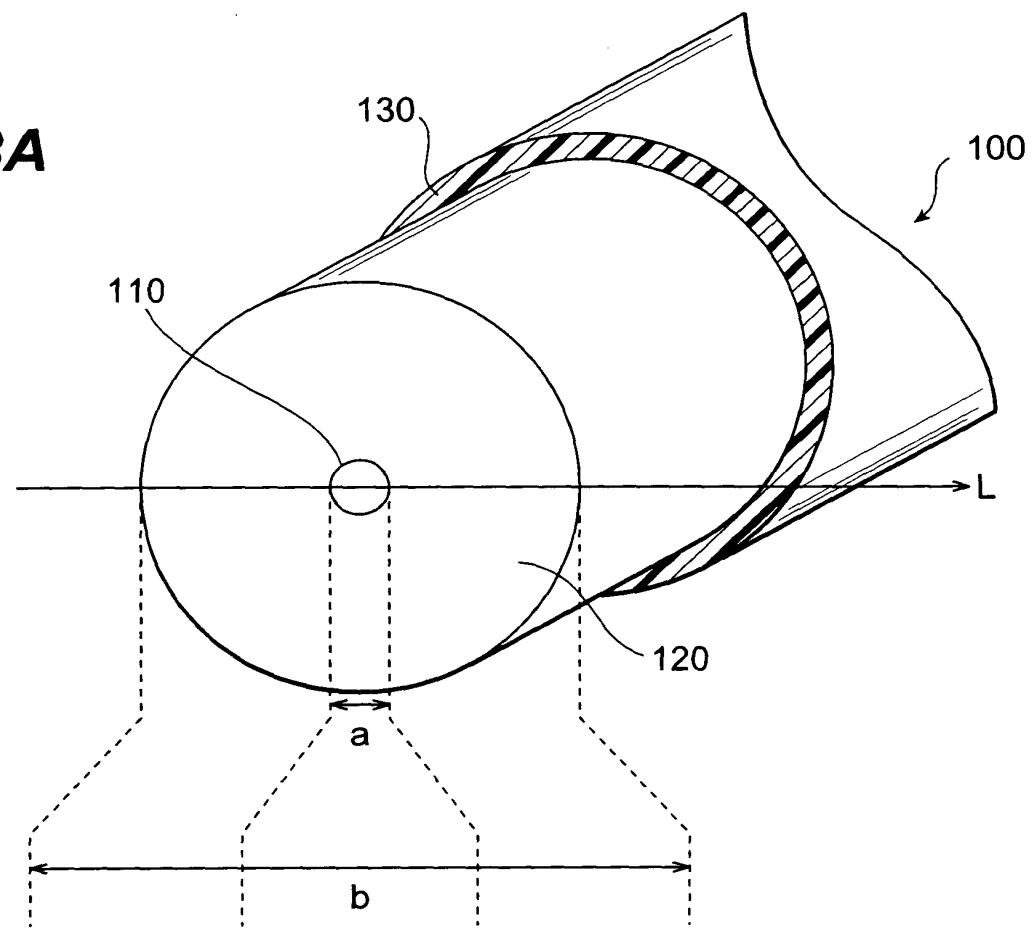
20092208 02943000 F

Fig. 2



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Fig. 3A



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Fig. 3B

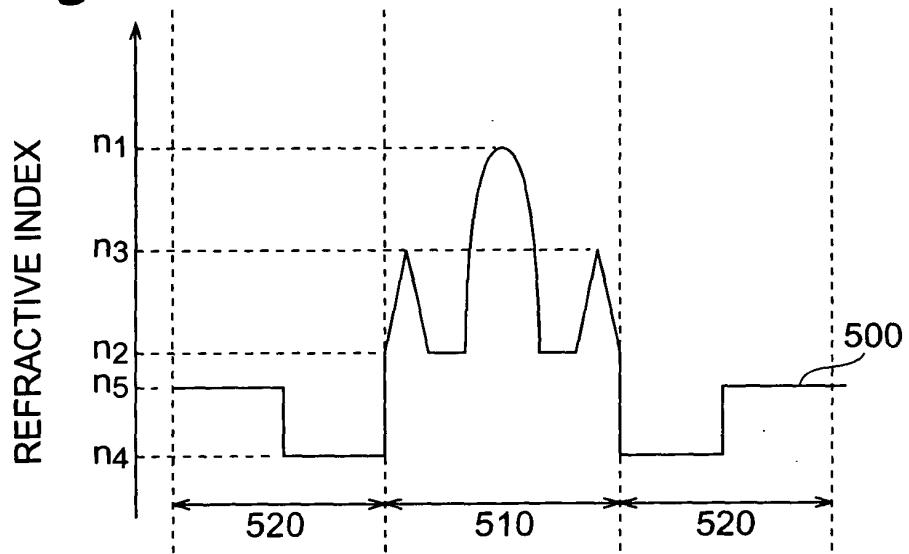
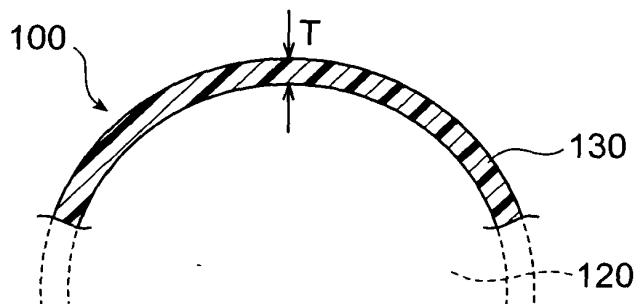


Fig.4A



100 130 120

Fig.4B

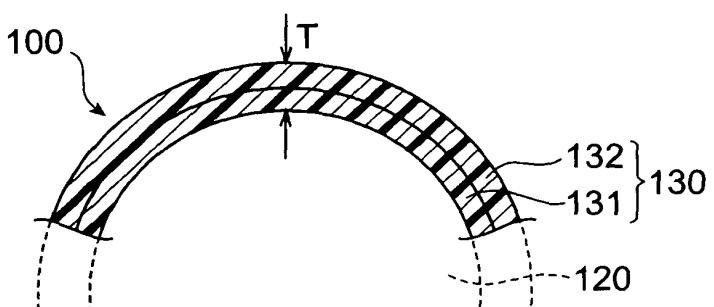


Fig.5

	SAMPLE 1 a	SAMPLE 1 b	SAMPLE 1 c	SAMPLE 1 d
FIBER DIAMETER (μm)	125.1	139.8	150.4	160.2
MFD (μm)	11.73	11.84	11.87	11.88
EFFECTIVE AREA(μm^2)	69.7	71.4	72.1	72.1
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.2	-2.0	-1.9
CUTOFF WAVELENGTH(μm)	1.53	1.51	1.50	1.52

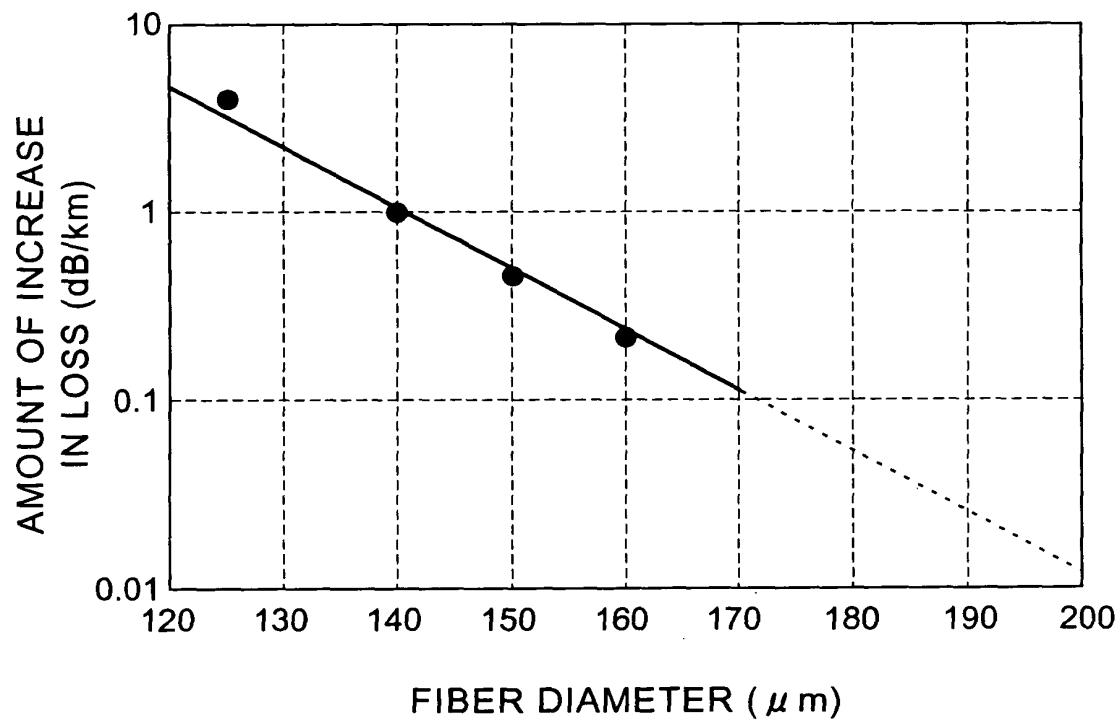
Fig.6

Fig. 7A

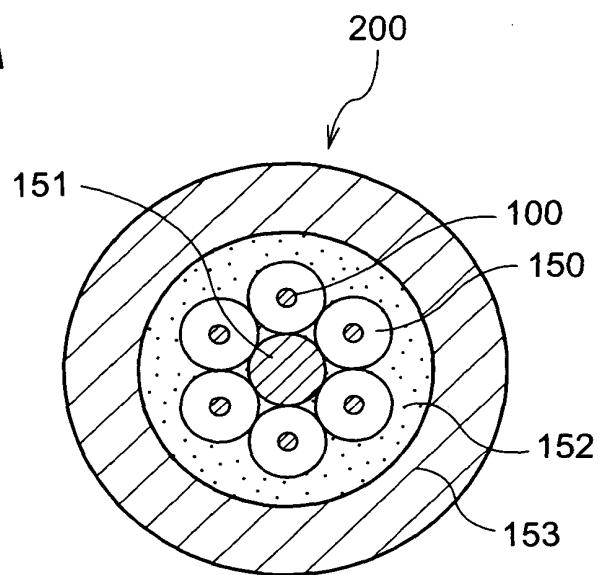
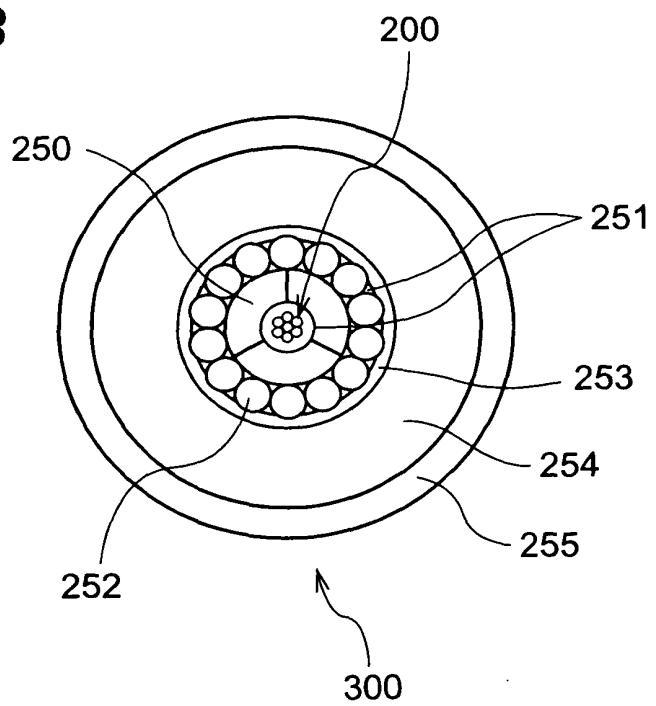


Fig. 7B



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Fig.8

	SAMPLE 2 a	SAMPLE 2 b	SAMPLE 2 c
FIBER DIAMETER (μm)	124.9	125.2	139.6
MFD (μm)	9.98	10.96	11.06
EFFECTIVE AREA(μm^2)	54.8	64.8	65.1
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.0	-2.2
CUTOFF WAVELENGTH(μm)	1.53	1.53	1.51

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Fig.9

	SAMPLE 3 a	SAMPLE 3 b	SAMPLE 3 c	SAMPLE 3 d
FIBER DIAMETER (μm)	150.1	171.8	150.2	169.3
MFD (μm)	13.21	13.18	14.20	14.21
EFFECTIVE AREA(μm^2)	79.7	80.4	90.1	90.4
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.2	-2.0	-2.2
CUTOFF WAVELENGTH(μm)	1.53	1.51	1.50	1.51

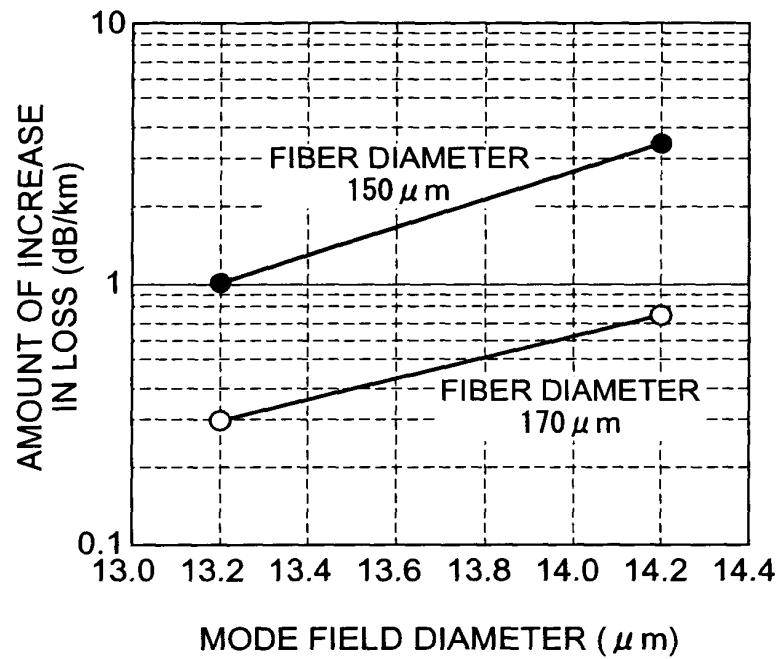
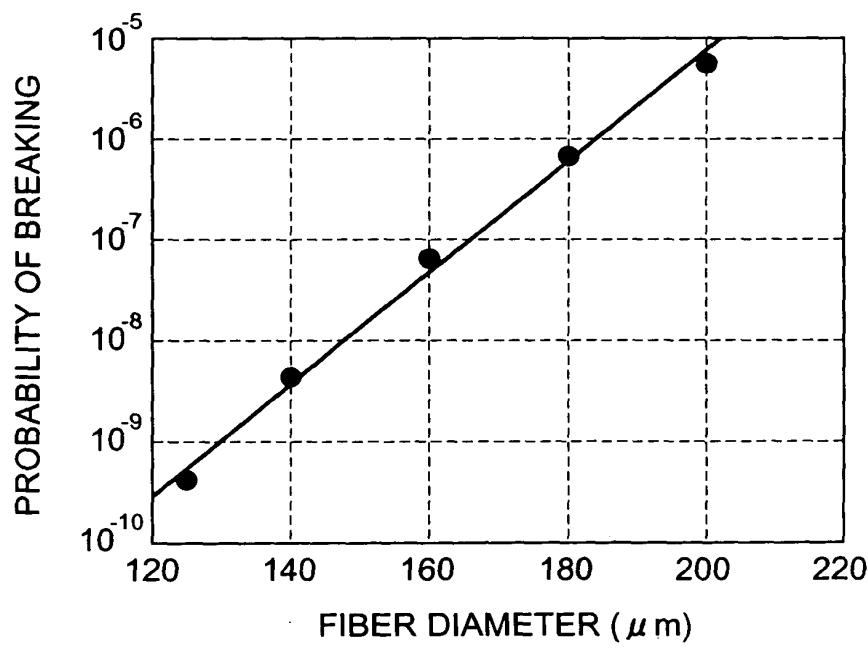
Fig. 10**Fig. 11**

Fig. 12

	SAMPLE 4 a	SAMPLE 4 b
FIBER DIAMETER (μm)	125.1	150.4
MFD (μm)	11.98	12.17
EFFECTIVE AREA (μm^2)	69.7	72.1
CHROMATIC DISPERSION (ps/nm/km)	-2.1	-2.2
CUTOFF WAVELENGTH (μm)	1.53	1.51

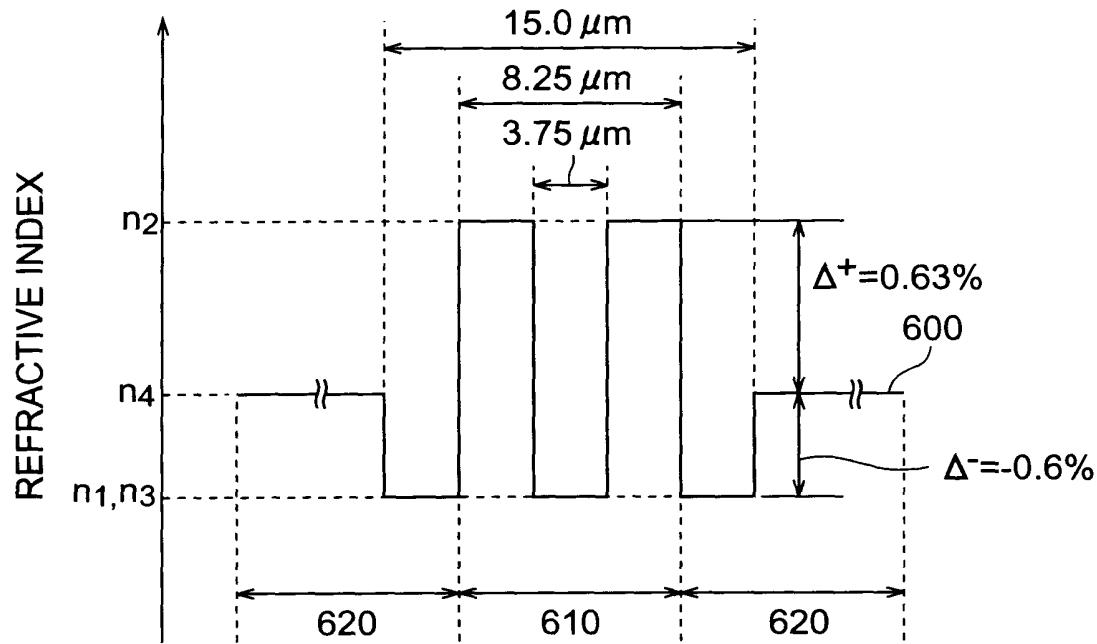
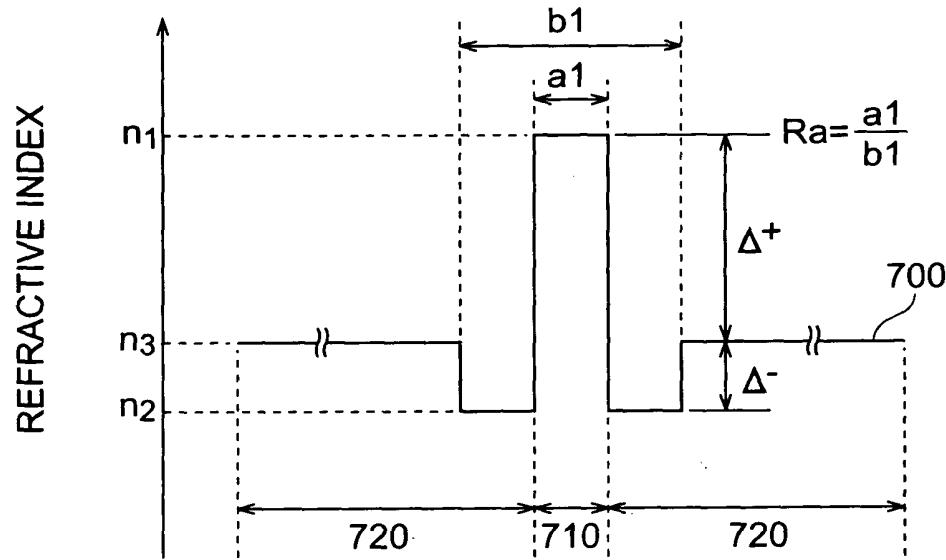
Fig. 13**Fig. 14**

Fig. 15

RELATIONSHIP BETWEEN DISPERSION
AND DISPERSION SLOPE WHEN $\Delta^+ = 0.9$, $\Delta^- = -0.44$ 